



PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Application No.: 09/287,248

Filed: April 7, 1999

Inventor(s):

John T. McDevitt

Eric V. Anslyn

Jason B. Shear

Dean P. Neikirk

Title: FLUID BASED ANALYSIS  
OF MULTIPLE ANALYTES  
BY A SENSOR ARRAY

Examiner: Unknown

OCT 19 2001

Group/Art Unit:

Atty. Dkt. No: 5119-00501

TECH CENTER 1600/2900

CERTIFICATE OF MAILING  
UNDER 37 C.F.R. §1.8

DATE OF DEPOSIT:

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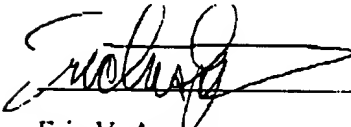
DECLARATION UNDER 37 C.F.R. § 1.132

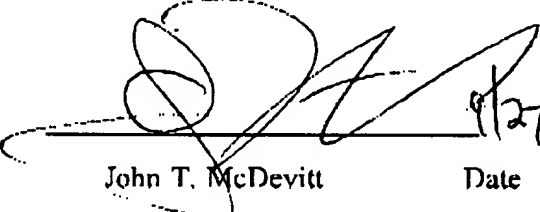
1. We are the named inventors of the above-referenced application.
2. We conceived of a system for detecting an analyte in a solution. The system includes a light source, a detector, a sensor array and a particle positioned within a cavity of the sensor array. The particle is configured to produce a signal when the particle interacts with an analyte. This system is referred to herein as the "Analyte Detection System".
3. The reference to Lavigne et al. entitled "Solution-Based Analysis of Multiple Analytes by a Sensor Array: Toward the Development of an "Electronic Tongue," *J. Am. Chem. Soc.*, Vol. 120, 1998, pp. 6429-6430, published on Web June 11, 1998 (the "Lavigne reference") contains a description of the Analyte Detection System.

4. The Lavigne reference list the authors: John J. Lavigne, Steve Savoy, Marvin B. Clevenger, Jason F. Rithchic, Bridget McDoniel, Seung-Jin Yoo, Eric V. Anslyn, John T. McDevitt, Jason B. Shear, and Dean Neikirk.

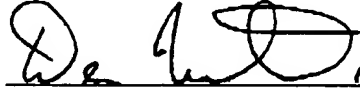
5. On information and belief, the authors: John J. Lavigne, Steve Savoy, Marvin B. Clevenger, Jason F. Rithchic, Bridget McDoniel, Seung-Jin Yoo, derived their knowledge of the Analyte Detection System from us.

6. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

 9/26/01  
Eric V. Anslyn Date

 9/27/01  
John T. McDevitt Date

 10/1/01  
Jason B. Shear Date

 10/3/01  
Dean Neikirk Date